

IN THE SPECIFICATION:

Please insert the following paragraph beginning at page 1, line 3, as follows.

--This is a continuation of Application No. 09/985,238, filed November 2, 2001, allowed May 20, 2003, which is a divisional application of Application No. 08/909,062, filed August 14, 1997, now U.S. Patent No. 6,337,928 B1.--

Please amend the paragraph starting at page 1, line 10 and ending at line 14, as follows:

--In the past, in order to watch and listen to video and audio picked up by a VTR built-in video camera or a video camera, the VTR built-in video camera or the video camera is connected to a monitor through a cord.--

Please amend the paragraph starting at page 1, line 24 and ending at page 2, line 1, as follows:

--However, in the case of a ~~the~~ cord connection, the work required to connect the VTR built-in video camera or the video camera with the monitor is troublesome. Further, because of the cord connection, the freedom of image pickup and watching is limited.--

Please amend the paragraph starting at page 3, line 4 and ending at line 12, as follows:

--Further, in accordance with another preferred embodiment the image transmission apparatus/method is characterized by detecting an image pickup condition of the image pickup means for picking up an image, decreasing the information amount of image data from the image pickup means, controlling the decreasing operation in accordance with the image pickup condition and transmitting the image data having the information amount decreased.--

Please amend the paragraph starting at page 3, line 13 and ending at line 21, as follows:

--Further, in accordance with another ~~other~~ preferred embodiment, the image transmission apparatus/method is characterized by picking up an image to acquire image data, setting an image pickup operation mode, determining a transmission condition of the image data in accordance with the set condition, processing the image data in accordance with the determined transmission condition and transmitting the processed image data.--

Please amend the paragraph starting at page 4, line 7 and ending at line 8, as follows:

--Fig. 3 shows a block diagram of a configuration of a spread spectrum ~~spectrum~~ spread transmission circuit 110 of Fig. 1,--

Please amend the paragraph starting at page 5, line 2 and ending at line 5, as follows:

--Fig. 12 shows another embodiment of a transmission method of image data in the operation switch 113 and the operation switch for the image pickup/transmission mode selection of the transmission image quality, and--

Please amend the paragraph starting at page 6, line 18 and ending at line 19, as follows:

--Fig. 2 shows a block diagram of the detail of the compression encoding/decoding circuit 108 of Fig. 1.--

Please amend the paragraph starting at page 7, line 27 and ending at page 8, line 7, as follows:

--The quantization step control circuit 156 collects a plurality of blocks of DCT converted image data, determines the quantization step such that a predetermined code amount ~~amounts~~ is acquired when the plurality of blocks of image data are coded and outputs quantization step data indicating the determined quantization step to the quantization/inverse-quantization circuit 155 and the control circuit 106.--

Please amend the paragraph starting at page 8, line 11 and ending at line 14, as follows:

--The quantization step control circuit 156 is controlled by the control data from the control circuit 106 as the pixel thinning-out circuit 151 and the frame thinning-out circuits are controlled also so--

Please amend the paragraph starting at page 9, line 15, and ending at line 17, as follows:

--Fig. 3 shows a block diagram of a detailed configuration of the spread spectrum ~~spectrum spread~~ transmission circuit 110 of Fig. 1.--

Please amend the paragraph starting at page 9, line 27 and ending at page 10, line 9, as follows:

--The input image data is converted to n parallel data by the serial-parallel converter 301 and the respective converted data are multiplied by n different spread code outputs of the spread code generator 303 in the n multipliers 302-1 to 302-n, added by the adder and output ~~outputted~~ to the RF converter 305. The added base band wide spread signal is converted to a transmission frequency signal having a proper center frequency by the RF converter 305 and output ~~outputted~~ from the transmission antenna 111.--

Please amend the paragraph starting at page 11, line 26 and ending at page 12, line 13, as follows:

--In Fig. 6, numerals 601 and 603 denote a block divider for dividing the data into 16 x 16 pixel blocks, numeral 602 denotes a one-field delay circuit for ~~or~~ delaying

the input image data by one field period, numeral 604 denotes a matching circuit for matching the outputs from the block dividers 601 and 603 for each block to calculate a correlation distribution, numeral 605 denotes a motion vector detector for calculating a motion vector of each block based on the output from the matching circuit, numeral 606 denotes a weighting circuit for applying a predetermined weight to the motion vector of each block and numeral 607 denotes a motion/still image detector for detecting whether the current image is a motion image or a still image based on the output of the weighting circuit 606.--

Please amend the paragraph starting at page 12, line 16 and ending at line 21, as follows:

--The image data input ~~inputted~~ from the control circuit 106 is divided into 16 x 16 pixel blocks by the block divider 601. The input image data is also delayed by one field by the one-field delay circuit 602 and divided into 16 x 16 pixel blocks by the block divider 603 as the block divider 601 does.--

Please amend the paragraph starting at page 13, line 4 and ending at line 7, as follows:

--For example, a large weight is applied to a center of the screen and a small weight is applied to a periphery of the screen. Namely, the center of the screen is weighted.--

Please amend the paragraph starting at page 13, line 20 and ending at line 22, as follows:

--In the pickup mode of the video camera, an object image is focused on an image pickup element 102 (for example, a CCD) by the lens 101.--

Please amend the paragraph starting at page 14, line 2 and ending at line 10, as follows:

--The lens 101 receives a control command of the microcomputer 114 for the zooming and the focusing and is driven by the motor driver 104. The image data is transmitted from the digital signal processing circuit 105 to the EVF 112 for monitoring the image being picked up and the image pickup data. The image pickup data (for example, tape counter, various alarms and image pickup operation mode) and control command are transmitted from the microcomputer 114 to the EVF 112.--

Please amend the paragraph starting at page 14, line 15 and ending at line 27, as follows:

--Based on the information set by the user of the video camera by the operation switch 135 on the operation key 113 of the main unit, coded data for transmission and timing are generated by using the digital signal processing circuit 105, the control circuit 106, the memory 107, the compression encoding/decoding circuit 108, the microcomputer 114, the pan/tilt detection circuit 115 and the motion detection circuit 116 and the image data to be transmitted is wireless transmitted from the antenna 111 by the

~~spread spectrum~~ ~~spectrum spread~~ transmission circuit 110 by the set transmission method and transmission image quality.--

Please amend the paragraph starting at page 15, line 5 and ending at line 8, as follows:

--By operating the operation key 113 of Fig. 7, a user-desired ~~user-desired~~ image can be transmitted even for the wireless transmission in which a maximum transmission rate is smaller than that of wire transmission.--

Please amend the paragraph starting at page 15, line 22 and ending at page 16, line 2, as follows:

--The parameters which can be set in the manual mode include a horizontal image angle size, a vertical image angle size, the number of pixels per frame, a frame rate (the number of frames/second), a compression rate of a luminance ~~brilliance~~ signal and a compression rate of a color signal. The respective parameters may be set in various manners by operating slide switches 705 to 710.--

Please amend the paragraph starting at page 17, line 17 and ending at page 18, line 2, as follows:

--When the sports mode or the portrait mode is set when the image data is to be transmitted together with the image pickup of the VTR built-in video camera, a charge storage time of the image pickup element 102 is set shorter than that in the standard mode

by the microcomputer 114 and an object depth is set shallow. A focus-following focus
~~following~~ velocity of the lens 101 driven through the motor driver 104 is fastest in the
sports mode, next fastest in the standard mode and slowest in the portrait mode. In a full
auto mode, the image pickup element 102 and the motor driver 104 operate in the same
manner as that in the standard mode as opposed to the sports mode and the portrait mode.--

Please amend the paragraph starting at page 19, line 2 and ending at line 5,
as follows:

--A wireless transmission operation of the VTR built-in video camera using
~~by~~ the operation key shown in Fig. 7 is now explained with reference to a flow chart of Fig.
9.--

Please amend the paragraph starting at page 20, line 27 and ending at page
21, line 4, as follows:

--In the determination method for the motion image in the step S21, whether
the input image data is a motion image or not is determined by determining whether the
pan/tilt state is set or not by the pan/tilt detection circuit.--

Please amend the paragraph starting at page 23, line 3 and ending at line 4,
as follows:

--Figs. 10A and 10B show examples of the display of the EVF 112 of the
present embodiment.--

Please amend the paragraph starting at page 23, line 5 and ending at line 7,
as follows:

--Fig. 10 shows an example of the display of the EVF 112 in the manual
mode and Fig. 10B shows an example of the display of the EVF 112 in the sports mode.--

Please amend the paragraph starting at page 23, line 11 and ending at line
13, as follows:

--An apparatus for receiving the data wireless-transmitted ~~wireless~~
~~transmitted~~ by the VTR built-in video camera of Fig. 1 is now explained.--

Please amend the paragraph starting at page 23, line 16 and ending at page
24, line 21, as follows:

--In Fig. 11, numeral 201 denotes an antenna, numeral 202 denotes a spread
spectrum receiving circuit for spectrum inverse-spreading the signal received by the
antenna 201 (by correlating ~~with~~ the received signal with by the same spread signal as that
of the transmitter), converting the received signal to a narrow band signal having a band
width corresponding to the original data and conducting the normal data demodulation to
reproduce the original data. ~~Numeral data, numeral~~ 203 denotes a decoding circuit for
demodulating the image data reproduced by the spread spectrum receiving circuit 202,
numeral 204 denotes an input buffer for temporarily storing the decoded image data,
numeral 205 denotes a frame memory for storing one frame of image data, and numeral
206 denotes a recording and reproducing circuit for temporarily storing the image data

~~output~~ ~~outputted~~ from the frame memory 205 in a recording medium and reproducing it as required. ~~Numeral required, numeral~~ 207 denotes a synchronization signal addition circuit for adding video synchronization signal data to the image data read from the frame memory 205 to convert it to video data, numeral 208 denotes a D/A converter, numeral 209 denotes a monitor (for example, a liquid crystal monitor) for video-displaying the video signal ~~output~~ ~~outputted~~ from the D/A converter 208, numeral 210 denotes a frame control circuit for controlling the input buffer 204 and the frame memory 205 and outputting one frame of received image data from the frame memory 205, and numeral 211 denotes a synchronization signal generation circuit for generating a synchronization signal for defining a timing of the overall system and a video synchronization signal of the received image data.--

Please amend the paragraph starting at page 25, line 2 and ending at line 6, as follows:

--The demodulated image data is supplied to the decoding circuit 203 for decoding processing process. The decoded image data is stored in the frame memory 205 through the input buffer 204. When the frame memory 205 stores one frame of image data, it reads out the image data.--

Please amend the paragraph starting at page 25, line 21 and ending at page 26, line 6, as follows:

--As described herein above, in accordance with the present embodiment, since the wireless transmission is conducted by freely selecting the transmission method and the transmission image quality which the user of the video camera desires, the information desired by the user of the video camera may be transmitted. Further, since the information of the optimum transmission method and the transmission image quality is automatically generated in accordance with the operation mode in the image pickup mode and it is wireless-transmitted ~~wireless-transmitted~~, the work of the user of the video camera may be saved and the optimum wireless transmission may be conducted.--

Please amend the paragraph starting at page 26, line 7, and ending at line 15, as follows:

--Further, since the spread spectrum transmission system is used for the wireless transmission, the transmission information amount may be increased, the degradation of the information by ~~the~~ interference and ~~the~~ disturbance may be prevented, the directivity is enhanced and the transmission distance may be extended. Further, since the setting information is displayed in the finder, the failure of the transmission state may be prevented and the operability is improved.--

Please amend the paragraph starting at page 26, line 19 and ending at line 21, as follows:

--For example, another ~~other~~ example is shown in Fig. 12. The operation switch of Fig. 12 uses one rotary switch 720 as a switch to set in the manual mode.--

Please amend the paragraph starting at page 27, line 3, and ending at line 6,
as follows:

--In other words, the foregoing description of the embodiments has been
given for illustrative purposes only and is not to ~~top~~ be construed as imposing any
limitation in every respect.--

Please amend the paragraph starting at page 27, line 7 and ending at line 12,
as follows:

--The scope of the invention is, therefore, to be determined solely by the
following claims and is not limited by the text of the specification, ~~specifications~~ and
alterations made within a scope equivalent to the scope of the claims fall within the true
spirit and scope of the invention.--